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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Martenson et al.

Application No.: 10/608,880

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Art Unit: 2878

Title: POSITION ENCODER

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

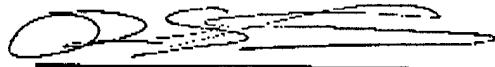
Sir:

**CERTIFICATE OF FACSIMILE
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I hereby certify that this correspondence is being sent by facsimile to the US Patent and Trademark Office at Facsimile No. 703.872.9306.

on May 16, 2005

Rae J Caldwell



RESPONSE TO OFFICE ACTION

This is in response to the office action mailed February 15, 2005, as to which a three-month shortened statutory period for reply was set.

Amendments to the specification begins at page 2 of this paper.

The listing of claims begins on page 4 of this paper.

Remarks begin on page 11 of this paper.